

IN THE CLAIMS

Please cancel Claims 1 – 5, 14 – 17, 26 – 36, 41 – 44 and 52 without prejudice, and add  
5 new Claims 53 – 71 as follows:

1. – 45. (Cancelled)

46. (Previously presented) A storage device comprising a computer readable medium  
comprising instructions which, when executed on a computer system:

10 read a contiguous media control descriptor data stream comprising a first format;  
compile a plurality of containers containing said media control descriptor data from said  
stream, said plurality of containers comprising a second format;

arrange said containers into a logical hierarchy;

present the hierarchy to a device requesting data from said stream; and

15 compile said plurality of containers in said second format back into said first format;  
wherein said plurality of containers are individually accessible by a device requesting  
data thereby allowing access to an individual container without affecting the access to any other  
container containing data from said stream; and

20 wherein, absent said plurality of containers, said media control descriptor data stream  
would have to be accessed as a whole.

47. (Previously presented) The storage device of Claim 46, wherein said media control  
descriptor data is compliant with revision 3.0 of the AV/C Digital Interface Command Set  
General Specification.

25 48. (Previously presented) A storage device comprising a computer readable medium  
comprising instructions which, when executed on a computer system:

read media control descriptor data comprising a first format;

compile a plurality of containers containing said media control descriptor data, said  
plurality of containers comprising a second format;

arrange said containers into a logical hierarchy;

30 present the hierarchy to a device requesting said media control descriptor data; and

compile said plurality of containers in said second format back into said first format;

wherein said plurality of containers are individually accessible by a device requesting data thereby allowing access to an individual container without affecting the access to any other container containing said descriptor data; and

wherein, absent said plurality of containers, said media control descriptor data would have to be accessed as a whole.

49. (Previously presented) The storage device of Claim 48, wherein said media control descriptor data is compliant with revision 3.0 of the AV/C Digital Interface Command Set General Specification.

50. (Previously presented) A storage device comprising a computer readable medium comprising instructions which, when executed on a computer system:

read media control descriptor data rendered in at least a first format;  
generate a plurality of containers of a second format containing said media control descriptor data, and arrange said containers into a hierarchy;

present at least a portion of the hierarchy to a device requesting said media control descriptor data; and

convert said plurality of containers in said second format back into said first format;  
wherein said plurality of containers are individually accessible by said requesting device, thereby allowing access to individual ones of said containers without affecting the access to any other of said containers; and

wherein, absent said plurality of containers, said media control descriptor data could not be individually accessed.

51. (Previously presented) The storage device of Claim 50, wherein said media control descriptor data is compliant with revision 3.0 of the AV/C Digital Interface Command Set General Specification.

52. (Cancelled)

53. (New) The storage device of Claim 46, wherein at least a portion of said contiguous media control descriptor data from said stream is accessible via multiple memory addresses.

54. (New) The storage device of Claim 53, wherein at least one of said plurality of containers comprises information for access to each container in said plurality of containers.

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55. (New) The storage device of Claim 54, further comprising at least one instruction which when executed registers one or more fields of said contiguous media control descriptor data from said stream within each of said plurality of containers.

5 56. (New) The storage device of Claim 55, further comprising at least one instruction which when executed associates addresses with each of said fields sequentially enumerated within each of said containers.

57. (New) The storage device of Claim 56, further comprising at least one instruction which when executed maps said fields to a prescribed field list.

10 58. (New) The storage device of Claim 57, further comprising at least one instruction which when executed reads data from any field within any container without affecting the access to any other container.

59. (New) The storage device of Claim 58, wherein said plurality of containers comprise in combination an audio visual control general object list descriptor.

15 60. (New) The storage device of Claim 48, wherein at least one of said plurality of containers comprises a direct representation of a data field in an audio visual control descriptor.

61. (New) The storage device of Claim 60, wherein at least one of said plurality of containers comprises an alternate representation of a second audio visual control descriptor field.

62. (New) The storage device of Claim 61, wherein at least one of said plurality of containers comprises information on how to produce a third audio visual control descriptor field.

20 63. (New) The storage device of Claim 48, wherein at least a portion of said media control descriptor data is adapted to be accessed when its parent is accessed.

64. (New) The storage device of Claim 48, wherein said plurality of containers each comprise one or more data fields of an audio visual control descriptor data, wherein a first data field in a first one of said plurality of containers comprises a static data field and a second data field in a second one of said plurality of containers comprises a dynamic data field.

25 65. (New) The storage device of Claim 50, wherein said plurality of containers each comprise one or more data fields of an audio visual control descriptor data, wherein a first data field in a first one of said plurality of containers comprises a static data field and a second data field in a second one of said plurality of containers comprises a dynamic data field.

30 66. (New) The storage device of Claim 65, wherein said dynamic data field is constructed in response to a request from the device requesting data.

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67. (New) The storage device of Claim 66, further comprising instructions which when executed:

identify a top level data container containing audio visual control descriptor data;  
initialize one or more compilation attributes;  
5 read the container data; and  
copy said read container data into a readable storage area.

68. (New) The storage device of Claim 66, further comprising instructions which when executed:

access any field within any container independently of any other container; and  
10 write data to any dynamic data field without affecting the access to any other container.

69. (New) The storage device of Claim 66, further comprising instructions which, when executed on a computer system:

access said static data field in said first container without affecting access to said dynamic data field in said second container.

15 70. (New) The storage device of Claim 50, wherein said media control descriptor data stream comprises audio visual control descriptor data, said audio visual control descriptor comprising a length field indicating a length of said audio visual control descriptor.

71. (New) The storage device of Claim 70, further comprising instructions which, when executed:

20 establish a read buffer in a memory space and set the read buffer offset to zero;  
establish a received address request as a starting address; and  
establish a received read length request as a length sought.